

Patent Application Fee Schedule
Substantive Patent Fee Schedule

| APPLICATION AS FILED | | Column 1 | Column 2 | SMALL ENTITY | | OR | THAN |
|---------------------------------------|--|---|-------------------|--------------|----------|----|--------|
| | | NUMBER OF CLAIMS | NUMBER OF FIGURES | RATE (\$) | FEE (\$) | | ENTITY |
| BASIC FEE (37 CFR 1.101) | | | | | | | 710 |
| SEARCH FEE (37 CFR 1.102) | | | | | | | |
| EXAMINATION FEE (37 CFR 1.103) | | | 28 | | | | 1404 |
| TOTAL FEE (37 CFR 1.104) | | 98 | 7 | | | OR | 560 |
| INDEPENDENT CLAIMS FEE (37 CFR 1.105) | | 10 | | | | | |
| APPLICATION FEE (37 CFR 1.106) | | If the specification and drawings exceed 100 sheets of paper, the application size fee is \$140 (\$125 of that fee is for each additional 50 sheets of paper in excess of 100 sheets of paper). See 35 U.S.C. 41(a)(1) and 37 C.F.R. 1.16(a). | | | | | |

MULTIPLE CLAIMS PRESENTED IN THE APPLICATION
TOTAL FEE 2674

RCE 7/10/06

| APPLICATION AS AMENDED | | Column 1 | Column 2 | Column 3 | SMALL ENTITY | | OR | THAN |
|------------------------|--|---|-------------------------------|-----------------------------|--------------|---------------------|----|--------|
| | | CLAIMS REMAINING AFTER AMENDMENT | FIGURES PRESENTED IN EXHIBITS | PRELIMINARY EXAMINATION FEE | RATE (\$) | ADDITIONAL FEE (\$) | | ENTITY |
| AMENDMENT A | | 98 | 98 | | | | | |
| | | 10 | 10 | | | | | |
| | | Fee (37 CFR 1.16(s)) | | | | | | |
| | | REDUCTION OF MULTIPLE DEPENDENCY FEE (37 CFR 1.16(g)) | | | | | | |
| | | TOTAL FEE | | | | | | |

| AMENDMENT B | | Column 1 | Column 2 | Column 3 | SMALL ENTITY | | OR | THAN |
|-------------|--|---|-------------------------------|-----------------------------|--------------|---------------------|----|--------|
| | | CLAIMS REMAINING AFTER AMENDMENT | FIGURES PRESENTED IN EXHIBITS | PRELIMINARY EXAMINATION FEE | RATE (\$) | ADDITIONAL FEE (\$) | | ENTITY |
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| | | | | | | | | |
| | | Fee (37 CFR 1.16(s)) | | | | | | |
| | | REDUCTION OF MULTIPLE DEPENDENCY FEE (37 CFR 1.16(g)) | | | | | | |
| | | TOTAL FEE | | | | | | |

* If the number of claims in column 1 is less than the number of claims in column 2, the fee in column 1 will be used.
** If the number of claims in column 1 is less than the number of claims in column 2, the fee in column 1 will be used.
*** If the number of claims in column 1 is less than the number of claims in column 2, the fee in column 1 will be used.
This collection of information is required by 37 CFR 1.101, 1.102, 1.103, 1.104, 1.105, 1.106, 1.107, 1.108, 1.109, 1.110, 1.111, 1.112, 1.113, 1.114, 1.115, 1.116, 1.117, 1.118, 1.119, 1.120, 1.121, 1.122, 1.123, 1.124, 1.125, 1.126, 1.127, 1.128, 1.129, 1.130, 1.131, 1.132, 1.133, 1.134, 1.135, 1.136, 1.137, 1.138, 1.139, 1.140, 1.141, 1.142, 1.143, 1.144, 1.145, 1.146, 1.147, 1.148, 1.149, 1.150, 1.151, 1.152, 1.153, 1.154, 1.155, 1.156, 1.157, 1.158, 1.159, 1.160, 1.161, 1.162, 1.163, 1.164, 1.165, 1.166, 1.167, 1.168, 1.169, 1.170, 1.171, 1.172, 1.173, 1.174, 1.175, 1.176, 1.177, 1.178, 1.179, 1.180, 1.181, 1.182, 1.183, 1.184, 1.185, 1.186, 1.187, 1.188, 1.189, 1.190, 1.191, 1.192, 1.193, 1.194, 1.195, 1.196, 1.197, 1.198, 1.199, 1.200, 1.201, 1.202, 1.203, 1.204, 1.205, 1.206, 1.207, 1.208, 1.209, 1.210, 1.211, 1.212, 1.213, 1.214, 1.215, 1.216, 1.217, 1.218, 1.219, 1.220, 1.221, 1.222, 1.223, 1.224, 1.225, 1.226, 1.227, 1.228, 1.229, 1.230, 1.231, 1.232, 1.233, 1.234, 1.235, 1.236, 1.237, 1.238, 1.239, 1.240, 1.241, 1.242, 1.243, 1.244, 1.245, 1.246, 1.247, 1.248, 1.249, 1.250, 1.251, 1.252, 1.253, 1.254, 1.255, 1.256, 1.257, 1.258, 1.259, 1.260, 1.261, 1.262, 1.263, 1.264, 1.265, 1.266, 1.267, 1.268, 1.269, 1.270, 1.271, 1.272, 1.273, 1.274, 1.275, 1.276, 1.277, 1.278, 1.279, 1.280, 1.281, 1.282, 1.283, 1.284, 1.285, 1.286, 1.287, 1.288, 1.289, 1.290, 1.291, 1.292, 1.293, 1.294, 1.295, 1.296, 1.297, 1.298, 1.299, 1.300, 1.301, 1.302, 1.303, 1.304, 1.305, 1.306, 1.307, 1.308, 1.309, 1.310, 1.311, 1.312, 1.313, 1.314, 1.315, 1.316, 1.317, 1.318, 1.319, 1.320, 1.321, 1.322, 1.323, 1.324, 1.325, 1.326, 1.327, 1.328, 1.329, 1.330, 1.331, 1.332, 1.333, 1.334, 1.335, 1.336, 1.337, 1.338, 1.339, 1.340, 1.341, 1.342, 1.343, 1.344, 1.345, 1.346, 1.347, 1.348, 1.349, 1.350, 1.351, 1.352, 1.353, 1.354, 1.355, 1.356, 1.357, 1.358, 1.359, 1.360, 1.361, 1.362, 1.363, 1.364, 1.365, 1.366, 1.367, 1.368, 1.369, 1.370, 1.371, 1.372, 1.373, 1.374, 1.375, 1.376, 1.377, 1.378, 1.379, 1.380, 1.381, 1.382, 1.383, 1.384, 1.385, 1.386, 1.387, 1.388, 1.389, 1.390, 1.391, 1.392, 1.393, 1.394, 1.395, 1.396, 1.397, 1.398, 1.399, 1.400, 1.401, 1.402, 1.403, 1.404, 1.405, 1.406, 1.407, 1.408, 1.409, 1.410, 1.411, 1.412, 1.413, 1.414, 1.415, 1.416, 1.417, 1.418, 1.419, 1.420, 1.421, 1.422, 1.423, 1.424, 1.425, 1.426, 1.427, 1.428, 1.429, 1.430, 1.431, 1.432, 1.433, 1.434, 1.435, 1.436, 1.437, 1.438, 1.439, 1.440, 1.441, 1.442, 1.443, 1.444, 1.445, 1.446, 1.447, 1.448, 1.449, 1.450, 1.451, 1.452, 1.453, 1.454, 1.455, 1.456, 1.457, 1.458, 1.459, 1.460, 1.461, 1.462, 1.463, 1.464, 1.465, 1.466, 1.467, 1.468, 1.469, 1.470, 1.471, 1.472, 1.473, 1.474, 1.475, 1.476, 1.477, 1.478, 1.479, 1.480, 1.481, 1.482, 1.483, 1.484, 1.485, 1.486, 1.487, 1.488, 1.489, 1.490, 1.491, 1.492, 1.493, 1.494, 1.495, 1.496, 1.497, 1.498, 1.499, 1.500, 1.501, 1.502, 1.503, 1.504, 1.505, 1.506, 1.507, 1.508, 1.509, 1.510, 1.511, 1.512, 1.513, 1.514, 1.515, 1.516, 1.517, 1.518, 1.519, 1.520, 1.521, 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1.808, 1.809, 1.810, 1.811, 1.812, 1.813, 1.814, 1.815, 1.816, 1.817, 1.818, 1.819, 1.820, 1.821, 1.822, 1.823, 1.824, 1.825, 1.826, 1.827, 1.828, 1.829, 1.830, 1.831, 1.832, 1.833, 1.834, 1.835, 1.836, 1.837, 1.838, 1.839, 1.840, 1.841, 1.842, 1.843, 1.844, 1.845, 1.846, 1.847, 1.848, 1.849, 1.850, 1.851, 1.852, 1.853, 1.854, 1.855, 1.856, 1.857, 1.858, 1.859, 1.860, 1.861, 1.862, 1.863, 1.864, 1.865, 1.866, 1.867, 1.868, 1.869, 1.870, 1.871, 1.872, 1.873, 1.874, 1.875, 1.876, 1.877, 1.878, 1.879, 1.880, 1.881, 1.882, 1.883, 1.884, 1.885, 1.886, 1.887, 1.888, 1.889, 1.890, 1.891, 1.892, 1.893, 1.894, 1.895, 1.896, 1.897, 1.898, 1.899, 1.900, 1.901, 1.902, 1.903, 1.904, 1.905, 1.906, 1.907, 1.908, 1.909, 1.910, 1.911, 1.912, 1.913, 1.914, 1.915, 1.916, 1.917, 1.918, 1.919, 1.920, 1.921, 1.922, 1.923, 1.924, 1.925, 1.926, 1.927, 1.928, 1.929, 1.930, 1.931, 1.932, 1.933, 1.934, 1.935, 1.936, 1.937, 1.938, 1.939, 1.940, 1.941, 1.942, 1.943, 1.944, 1.945, 1.946, 1.947, 1.948, 1.949, 1.950, 1.951, 1.952, 1.953, 1.954, 1.955, 1.956, 1.957, 1.958, 1.959, 1.960, 1.961, 1.962, 1.963, 1.964, 1.965, 1.966, 1.967, 1.968, 1.969, 1.970, 1.971, 1.972, 1.973, 1.974, 1.975, 1.976, 1.977, 1.978, 1.979, 1.980, 1.981, 1.982, 1.983, 1.984, 1.985, 1.986, 1.987, 1.988, 1.989, 1.990, 1.991, 1.992, 1.993, 1.994, 1.995, 1.996, 1.997, 1.998, 1.999, 2.000, 2.001, 2.002, 2.003, 2.004, 2.005, 2.006, 2.007, 2.008, 2.009, 2.010, 2.011, 2.012, 2.013, 2.014, 2.015, 2.016, 2.017, 2.018, 2.019, 2.020, 2.021, 2.022, 2.023, 2.024, 2.025, 2.026, 2.027, 2.028, 2.029, 2.030, 2.031, 2.032, 2.033, 2.034, 2.035, 2.036, 2.037, 2.038, 2.039, 2.040, 2.041, 2.042, 2.043, 2.044, 2.045, 2.046, 2.047, 2.048, 2.049, 2.050, 2.051, 2.052, 2.053, 2.054, 2.055, 2.056, 2.057, 2.058, 2.059, 2.060, 2.061, 2.062, 2.063, 2.064, 2.065, 2.066, 2.067, 2.068, 2.069, 2.070, 2.071, 2.072, 2.073, 2.074, 2.075, 2.076, 2.077, 2.078, 2.079, 2.080, 2.081, 2.082, 2.083, 2.084, 2.085, 2.086, 2.087, 2.088, 2.089, 2.090, 2.091, 2.092, 2.093, 2.094, 2.095, 2.096, 2.097, 2.098, 2.099, 2.100, 2.101, 2.102, 2.103, 2.104, 2.105, 2.106, 2.107, 2.108, 2.109, 2.110, 2.111, 2.112, 2.113, 2.114, 2.115, 2.116, 2.117, 2.118, 2.119, 2.120, 2.121, 2.122, 2.123, 2.124, 2.125, 2.126, 2.127, 2.128, 2.129, 2.130, 2.131, 2.132, 2.133, 2.134, 2.135, 2.136, 2.137, 2.138, 2.139, 2.140, 2.141, 2.142, 2.143, 2.144, 2.145, 2.146, 2.147, 2.148, 2.149, 2.150, 2.151, 2.152, 2.153, 2.154, 2.155, 2.156, 2.157, 2.158, 2.159, 2.160, 2.161, 2.162, 2.163, 2.164, 2.165, 2.166, 2.167, 2.168, 2.169, 2.170, 2.171, 2.172, 2.173, 2.174, 2.175, 2.176, 2.177, 2.178, 2.179, 2.180, 2.181, 2.182, 2.183, 2.184, 2.185, 2.186, 2.187, 2.188, 2.189, 2.190, 2.191, 2.192, 2.193, 2.194, 2.195, 2.196, 2.197, 2.198, 2.199, 2.200, 2.201, 2.202, 2.203, 2.204, 2.205, 2.206, 2.207, 2.208, 2.209, 2.210, 2.211, 2.212, 2.213, 2.214, 2.215, 2.216, 2.217, 2.218, 2.219, 2.220, 2.221, 2.222, 2.223, 2.224, 2.225, 2.226, 2.227, 2.228, 2.229, 2.230, 2.231, 2.232, 2.233, 2.234, 2.235, 2.236, 2.237, 2.238, 2.239, 2.240, 2.241, 2.242, 2.243, 2.244, 2.245, 2.246, 2.247, 2.248, 2.249, 2.250, 2.251, 2.252, 2.253, 2.254, 2.255, 2.256, 2.257, 2.258, 2.259, 2.260, 2.261, 2.262, 2.263, 2.264, 2.265, 2.266, 2.267, 2.268, 2.269, 2.270, 2.271, 2.272, 2.273, 2.274, 2.275, 2.276, 2.277, 2.278, 2.279, 2.280, 2.281, 2.282, 2.283, 2.284, 2.285, 2.286, 2.287, 2.288, 2.289, 2.290, 2.291, 2.292, 2.293, 2.294, 2.295, 2.296, 2.297, 2.298, 2.299, 2.300, 2.301, 2.302, 2.303, 2.304, 2.305, 2.306, 2.307, 2.308, 2.309, 2.310, 2.311, 2.312, 2.313, 2.314, 2.315, 2.316, 2.317, 2.318, 2.319, 2.320, 2.321, 2.322, 2.323, 2.324, 2.325, 2.326, 2.327, 2.328, 2.329, 2.330, 2.331, 2.332, 2.333, 2.334, 2.335, 2.336, 2.337, 2.338, 2.339, 2.340, 2.341, 2.342, 2.343, 2.344, 2.345, 2.346, 2.347, 2.348, 2.349, 2.350, 2.351, 2.352, 2.353, 2.354, 2.355, 2.356, 2.357, 2.358, 2.359, 2.360, 2.361, 2.362, 2.363, 2.364, 2.365, 2.366, 2.367, 2.368, 2.369, 2.370, 2.371, 2.372, 2.373, 2.374, 2.375, 2.376, 2.377, 2.378, 2.379, 2.380, 2.381, 2.382, 2.383, 2.384, 2.385, 2.386, 2.387, 2.388, 2.389, 2.390, 2.391, 2.392, 2.393, 2.394, 2.395, 2.396, 2.397, 2.398, 2.399, 2.400, 2.401, 2.402, 2.403, 2.404, 2.405, 2.406, 2.407, 2.408, 2.409, 2.410, 2.411, 2.412, 2.413, 2.414, 2.415, 2.416, 2.417, 2.418, 2.419, 2.420, 2.421, 2.422, 2.423, 2.424, 2.425, 2.426, 2.427, 2.428, 2.429, 2.430, 2.431, 2.432, 2.433, 2.434, 2.435, 2.436, 2.437, 2.438, 2.439, 2.440, 2.441, 2.442, 2.443, 2.444, 2.445, 2.446, 2.447, 2.448, 2.449, 2.450, 2.451, 2.452, 2.453, 2.454, 2.455, 2.456, 2.457, 2.458, 2.459, 2.460, 2.461, 2.462, 2.463, 2.464, 2.465, 2.466, 2.467, 2.468, 2.469, 2.470, 2.471, 2.472, 2.473, 2.474, 2.475, 2.476, 2.477, 2.478, 2.479, 2.480, 2.481, 2.482, 2.483, 2.484, 2.485, 2.486, 2.487, 2.488, 2.489, 2.490, 2.491, 2.492, 2.493, 2.494, 2.495, 2.496, 2.497, 2.498, 2.499, 2.500, 2.501, 2.502, 2.503, 2.504, 2.505, 2.506, 2.507, 2.508, 2.509, 2.510, 2.511, 2.512, 2.513, 2.514, 2.515, 2.516, 2.517, 2.518, 2.519, 2.520, 2.521, 2.522, 2.523, 2.524, 2.525, 2.526, 2.527, 2.528, 2.529, 2.530, 2.531, 2.532, 2.533, 2.534, 2.535, 2.536, 2.537, 2.538, 2.539, 2.540, 2.541, 2.542, 2.543, 2.544, 2.545, 2.546, 2.547, 2.548, 2.549, 2.550, 2.551, 2.552, 2.553, 2.554, 2.555, 2.556, 2.557, 2.558, 2.559, 2.560, 2.561, 2.562, 2.563, 2.564, 2.565, 2.566, 2.567, 2.568, 2.569, 2.570, 2.571, 2.572, 2.573, 2.574, 2.575, 2.576, 2.577, 2.578, 2.579, 2.580, 2.581, 2.582, 2.583, 2.584, 2.585, 2.586, 2.587, 2.588, 2.589, 2.590, 2.591, 2.592, 2